Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L14	87	L3 same L13	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/11 14:50
L15	2	("5164992").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/08/11 14:23
L12	3	L3 same L10	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/11 12:42
L13	78924	((lightness brightness luminance (gr\$1y adj1 (level scale)) colo\$1r contrast) near4 (adjust\$3 enhanc\$5))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/11 12:41
L10	1301	automatic\$2 with ((lightness brightness luminance (gr\$1y adj1 (level scale)) colo\$1r contrast) near4 (adjust\$3 enhanc\$5))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/11 12:41
L11	1	l4 same l10	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/11 12:40
L9	1201	(L7 L8) and @pd>="20040301"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/11 11:36
L8	3244	358/518-523;348/169.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/11 11:36
L7	1901	382/103, "115,118", 162,167-169, 254-275.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/11 11:36

L6	5	(("6445819") or ("6571003")).PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/08/11 11:35
L5	96	3 same 4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/11 10:46
L4	3936	(face facial) near3 enhanc\$5	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/11 09:35
L3	75028	((detect\$3 locat\$3) near3 (face facial))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/11 09:35
L2	1003	(detect\$3 locat\$3) with (face facial) with enhanc\$5	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/11 09:34
L1	531	(face with locat\$3 with enhanc\$5)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/11 09:33
S29	15	S28 and @ad<"20010515"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/04/07 11:58
S28	60	(automatic\$4 with (red\$1eye near3 (detect\$3 determin\$5)))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/04/07 11:57
S27	70	(automatic\$4 with red\$1eye with detect\$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/04/07 11:57
S6	44	(red\$1eye with detect\$3) and (red\$1eye with (eliminat\$3 remov\$3))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/04/07 11:56



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Computer Graphics and Image Processing, 1999. Proceedings. XII Brazilian Symposium on Automatic Face and Gesture Recognition, 1998. Proceedings. Third IEEE International Systems, Man, and Cybernetics, 1996., IEEE International Conference on 5. An image processing and belief network approach to face detection 6. Object oriented face detection using range and color information Sang-Hoon Kim; Nam-Kyu Kim; Sang Chul Ahn; Hyoung-Gon Kim; 7. Constructing a fuzzy grammar for syntactic face detection De Souza Coelho, P.S.; Esperanca, C.; De Oliveira, A.A.F.; Digital Object Identifier 10.1109/SIBGRA.1999.805723 Volume 2, 14-17 Oct. 1996 Page(s):1156 - 1161 vol.2 Digital Object Identifier 10.1109/ASAMA.1999.805391 Digital Object Identifier 10.1109/ICSMC.1996.571249 Digital Object Identifier 10.1109/AFGR.1998.670928 AbstractPlus | Full Text: PDE(988 KB) IEEE CNF AbstractPlus | Full Text: PDF(204 KB) IEEE CNF AbstractPlus | Full Text: PDF(456 KB) IEEE CNF AbstractPlus | Full Text: PDF(100 KB) IEEE CNF 17-20 Oct. 1999 Page(s):177 - 186 Kouzani, A.Z.; He, F.; Sammut, K.; 14-16 April 1998 Page(s):76 - 81 3-6 Oct. 1999 Page(s):30 - 40 Conference on

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Oral I: 3D face recognition based on high-resolution 3D face modeling from frontal and profile views Lijun Yin, Matt T. Yourst

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an accurate 3D face model from two views of a face, and explore both 3D shape and texture informations for an optimal images and videos. In the system, we recover facial texture details by increasing the input image resolution, construct match and identification based on a 3D face model database. Unlike many existing 3D face recognition systems where This paper presents a novel face recognition system which considers information from both frontal and profile view the 3D model is taken as a bridg ...

Keywords: face identification, face modeling, super-resolution

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the bilateral filter to decompose the images into detail and large scale. We reconstruct the image using the large scale of We enhance photographs shot in dark environments by combining a picture taken with the available light and one taken with the flash. We preserve the ambiance of the original lighting and insert the sharpness from the flash image. We use the available lighting and the detail of the flash. We detect and correct flash shadows. This combines the advantages of available illumina ...

Keywords: Computational photography, bilateral filtering, flash photography, image fusion, relighting, tone mapping

Technical poster session 1: multimedia analysis, processing, and retrieval: Facial expression representation and recognition based on texture augmentation and topographic masking Lijun Yin, Johnny Loi, Wei Xiong

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modeling facial expressions. In this paper, we propose a new approach to represent the facial expression by using a socalled topographic feature. In order to capture the variation of facial surface structure, facial textures are processed by increasing the resolution. The topographical structure of human face is analyzed based on the resolution-enhanced The variation of facial texture and surface due to the change of expression is an important cue for analyzing and textures. We investigate t ...

Keywords: facial expression, feature labeling, super resolution

Video and multimedia digital libraries: A multilingual, multimodal digital video library system Michael R. Lyu, Edward Yau, Sam Sze

Proceedings of the 2nd ACM/IEEE-CS joint conference on Digital libraries

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intelligent searching and access of English and Chinese video contents. iVIEW allows full content indexing, searching and retrieval of multi-lingual text, audio and video material. It consists image processing techniques for scenes and scene changes analyses, speech processing techniques for audio signal transcriptions, and multi-lingual natural language This paper presents the iVIEW system, a multi-lingual, multi-modal digital video content management system for processing techniques for word r ...

Keywords: applications, browser on mobile devices, middleware and browser interactions, multi-modal interactions, multimedia management and support

5 Progress in Picture Processing: 1969--71 Azriel Rosenfeld

June 1973 ACM Computing Surveys (CSUR), Volume 5 Issue 2

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34 MB) Additional Information: full citation, references, citings, index terms

Image II: A multimodal approach to time-invariant scene retrieval from single overhead image Jian Yao, Zhongfei (Mark) Zhang, Lijun Yin

October 2004 Proceedings of the 6th ACM SIGMM international workshop on Multimedia information retrieval

We investigate a practical problem of time-invariant scene retrieval from single airport overhead image. A multimodal

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approach is developed to solving for the problem, in which an efficient method using image modality data is developed for time-specific object detection, and a method using graphics modality data is developed for removal of the detected objects. Theoretical analyses and experimental evaluations show the efficiency and the effectiveness of the approach.

Keywords: aircraft detection, aircraft removal, texture synthesis

November 2003 Proceedings of the 2003 ACM SIGMM workshop on Experiential telepresence Nevenka Dimitrova, Angel Janevski, Dongge Li, John Zimmerman Demo experience: Who's that actor?: the InfoSip TV agent

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content. Metadata extraction can make a great difference for personalized user experience. In addition, annotations that related supplemental information. Our goal is to explore the value of cross-referencing related content among different media such as TV and Web. The cross-referencing is based on metadata, which is automatically extracted from the We present a content augmentation application that enhances the primary video watching experience by providing provide title, genre, description, a ...

Keywords: Interactive TV services, content augmentation, content enhancement, hypervideo, person identification, talking head analysis

8 Distributed termination detection in a mobile wireless network Jeff Matocha

April 1998 Proceedings of the 36th annual Southeast regional conference

Full text available: Tp pdf(801.32 KB) Additional Information: full citation, references, index terms

9 Mathematical Models for Automatic Line Detection Arnold K. Griffith January 1973 Journal of the ACM (JACM), Volume 20 Issue 1

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smooth variations in intensity over faces. A suboptimal statistical decision procedure is developed for the identification of a line within a narrow band in the field of view, given an array of intensity values from within the band. The performance A particular decision-theoretic approach to the problem of detecting straight edges and lines in pictures is discussed. A model is proposed of the appearance of scenes consisting of prismatic solids, taking into account blurring, noise, and

10 Applications: a dimension space for user interface management systems Joëlle Coutaz, Sandrine Balbo